

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 204 | 330/251.ccls. and (pwm (pulse adj width or pulse-width) adj modulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/15 14:47 |
| S3 | 581 | 330/297.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:45 |
| S4 | 2 | "6844777".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:15 |
| S5 | 333 | Kitamura-M.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:15 |
| S6 | 180 | Kitamura-Mamoru.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:16 |
| S7 | 14 | Kitamura-Mamoru.in. and audio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:24 |
| S8 | 0 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 near10 1-bit adj delta\$1sigma | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:25 |
| S9 | 0 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 near10 1?bit | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:25 |
| S10 | 4939 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:25 |
| S11 | 1 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 with 1-bit | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 12:26 |

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| S12 | 3 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 near10 (delta?sigma adj modulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:38 |
| S13 | 53 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 and feed?forward | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:35 |
| S14 | 88 | modulat\$3 near10 (negative near5 (rail power adj supply)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/10 13:57 |
| S15 | 14 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 and modulat\$3 near10 (negative near5 (rail power adj supply)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:36 |
| S16 | 8 | ("4054843" "4178556" "4218660" "4479175" "4484150" "4878163" "4992751" "5541827").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/10 14:05 |
| S17 | 0 | dynamic near2 voltage near2 "power supply" near10 track\$3 near5 input | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:36 |
| S18 | 102 | dynamic near2 voltage near2 "power supply" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:42 |
| S19 | 1 | S18 and (tracking following comparing) near10 audio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:41 |
| S20 | 10 | S18 and (tracking following comparing) near10 input | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:42 |
| S21 | 30 | dynamic adj voltage near10 "power supply" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:48 |

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| S22 | 42 | dynamic adj power adj supply | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/14 11:48 |
| S23 | 2 | ((("3426290") or ("4054843")).PN. | USPAT | OR | OFF | 2005/02/14 16:01 |
| S24 | 275 | 330/207a.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/15 15:40 |
| S25 | 15 | 330/207a.ccls. and 330/297.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/15 15:41 |
| S26 | 1 | ((pulse adj width adj modulat\$3) PWM) near5 amplif\$3 near20 feed?forward | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:39 |
| S27 | 644 | power near2 supply near10 (control adj loop) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:39 |
| S28 | 0 | power near2 supply near10 (control adj loop) near10 ((opposite out "180") near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:40 |
| S29 | 0 | power near2 supply near10 (control adj loop) near20 ((opposite out "180") near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:40 |
| S30 | 1 | power near2 supply with (control adj loop) near20 ((opposite out "180") near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:41 |
| S31 | 20 | power near2 supply and (control adj loop) near20 ((opposite out "180") near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:43 |
| S32 | 711 | power near2 supply near20 ((opposite out "180") near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:44 |

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| S33 | 7 | power near2 supply near20 ((opposite out "180") near3 phase) near10 comparator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:50 |
| S34 | 1 | power near2 supply near20 ((opposite out "180") near3 phase) near10 audio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:50 |
| S35 | 0 | power near2 supply near20 ((opposite out "180") near3 phase) near10 input adj signal? | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 10:54 |
| S36 | 114 | power near2 supply near20 ((opposite out "180") near3 phase) near10 input | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 11:11 |
| S37 | 0 | reduc\$5 near5 sag near10 (power adj supply) near10 feedback | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 11:11 |
| S38 | 0 | reduc\$5 near15 sag near10 (power adj supply) near10 feedback | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 11:12 |
| S39 | 343 | reduc\$5 near15 (power adj supply) near10 feedback | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 11:12 |
| S40 | 76 | (power adj supply) near10 feedback near10 (voltage near3 (sag drop)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/01 11:13 |
| S41 | 4 | ("5126684" "5422597" "5438694" "6388514").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 12:12 |
| S42 | 4 | ("3383613" "3808545" "6563377").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 14:48 |
| S44 | 628 | 330/136.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 15:31 |

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| S45 | 5 | 330/136.ccls. and 330/207a.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 14:51 |
| S46 | 7 | 330/136.ccls. and 330/251.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 14:51 |
| S47 | 22 | S44 and (PWM or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 15:23 |
| S48 | 1081 | 330/9.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 15:32 |
| S49 | 13 | 330/9.ccls. and (PWM or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 15:35 |
| S50 | 2 | 330/134.ccls. and (PWM or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 15:37 |
| S51 | 592 | 330/134.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:05 |
| S52 | 10 | (330/260.ccls. 330/271.ccls. 330/291.ccls. 330/293.ccls.) and (class\$d or pwm or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:14 |
| S53 | 10 | (330/260.ccls. 330/271.ccls. 330/291.ccls. 330/293.ccls.) and (class?d or pwm or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:15 |
| S54 | 14 | (330/260.ccls. 330/271.ccls. 330/291.ccls. 330/293.ccls.) and (class?d or class adj d or pwm or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:19 |
| S55 | 22 | (330/260.ccls. 330/271.ccls. 330/291.ccls. 330/293.ccls. 330/75. ccls.) and (class?d or class adj d or pwm or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:23 |
| S56 | 889 | ("330".clas.) and (class?d or class adj d or pwm or pulse adj width adj modulat\$3) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:23 |
| S57 | 451 | ("330".clas.) and ((feed?forward feed adj forward input) near10 (pwm or pulse adj width adj modulat\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:27 |
| S58 | 7 | ("330".clas.) and ((feed?forward feed adj forward) near10 (pwm or pulse adj width adj modulat\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:26 |

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| S59 | 8 | ("330".clas.) and ((feed?forward feed adj forward inject\$3) near10 (pwm or pulse adj width adj modulat\$3)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/01 16:27 |
| S60 | 543 | (control\$3) near5 (power adj (supply source)) near30 (opposite differ\$3 out) near5 (phase polarity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/02 10:42 |
| S61 | 336 | (control\$3) near5 (power adj (supply source)) near10 (opposite differ\$3 out) near5 (phase polarity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/02 10:43 |
| S62 | 66 | (control\$3) near5 (power adj (supply source)) near10 (opposite differ\$3 out) near5 (phase polarity) and (dynamic modulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/02 10:48 |
| S63 | 8 | (control\$3) near5 (power adj (supply source)) near30 (opposite differ\$3 out) near5 (phase polarity) with (pwm pdm pulse adj (density width) adj modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/02 10:46 |
| S64 | 2 | ((("5396194") or ("4218660")).PN. | USPAT | OR | OFF | 2005/03/02 12:17 |
| S65 | 1 | ("4484150").PN. | USPAT | OR | OFF | 2005/03/02 12:37 |
| S66 | 31 | (US-20030062953-\$.did. or (US-3426290-\$ or US-3899745-\$ or US-4004246-\$ or US-4016501-\$ or US-4028633-\$ or US-4054843-\$ or US-4144502-\$ or US-4178556-\$ or US-4218660-\$ or US-4764856-\$ or US-4992751-\$ or US-5510753-\$ or US-5672998-\$ or US-5729175-\$ or US-5861777-\$ or US-5898340-\$ or US-5912549-\$ or US-6031362-\$ or US-6104248-\$ or US-6160455-\$ or US-6373340-\$ or US-6388514-\$ or US-6430220-\$ or US-6466087-\$ or US-6538505-\$ or US-6683492-\$). did. or (US-6717461-\$ or US-6781453-\$).did. or (EP-483094-\$ or WO-2061941-\$). did. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/03 11:28 |
| S67 | 2 | S66 and (delta?sigma sigma?delta delta adj sigma) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/03 11:28 |
| S68 | 0 | "330".clas. and (PWM pulse adj (width density) adj modulat\$3 PDM) near20 (1?bit near5 delta?sigma) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:39 |

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| S69 | 1 | (PWM pulse adj (width density) adj modulat\$3 PDM) near20 (1?bit near5 delta?sigma) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:39 |
| S70 | 0 | "330.clas" and ((PWM pulse adj (width density) adj modulat\$3 PDM) near20 (delta?sigma)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:39 |
| S71 | 202 | ((PWM pulse adj (width density) adj modulat\$3 PDM) near20 (delta?sigma)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:39 |
| S72 | 138 | S71 and (1?bit (single one "1" adj bit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:44 |
| S73 | 15 | S72 and (class adj D class?D) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/03 11:40 |